

WELL COMPLETION OR RE-COMPLETION REPORT

Instructions: Within thirty days following the completion or re-completion of any well, the owner or operator shall submit this form in duplicate for wells on patented or Federal lands, and in triplicate for wells on State lands. Geological information will be held confidential for a period of twelve months if requested in writing. If multiple completion, submit separate report for each completion.

DESIGNATE TYPE OF COMPLETION

New Well ☒ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐
 Different Reservoir ☐ Oil ☐ Gas ☐ Unsuccessful ☐

DESCRIPTION OF WELL AND LEASE

Operator

Pan American Petroleum Corporation

Address

P. O. Box 1031, Kimball, Nebraska

Well No.

13

Lease Name

Ostgren Unit

Field and Reservoir (If wildcat, so state)

Ostgren

Location

NW SE

Sec. 32

Twp. 17N

Range 54W

County

Banner

Footage Location

1920 feet from (W) (S) line, 1550 feet from (E) (N) line, of SE 1/4

Spud Date

5-12-63

Date reached T.D.

5-21-63

Date Completed

6-18-63

Elevation

4824

Reference (indicate)

(KW, (GL), (DF)

Total Depth

6128'

P.B.T.D.

6088'

Single or multiple completion

Single

Was well directionally drilled?

No

Producing interval(s) for this completion

6054' - 6064'

Type of logs run in well

Elogs

Rotary tools used (interval)

0' - 6128'

Cable tools used (interval)

-

Principal Contractor

Brinkerhoff Drilling Co.

CASING RECORD

Report all strings set—surface, intermediate, production, etc.

| Purpose of String | Size hole drilled | Size casing set (in. O.D.) | Weight lbs/ft. | Setting Depth | Sacks Cement |
|-------------------|-------------------|----------------------------|----------------|---------------|--------------|
| Surface | 12-1/4" | 8-5/8" | 24 | 462 | 335 |
| Production | 7-7/8" | 5-1/2" | 15.5 | | |
| | | 5-1/2" | 14 | 6127 | 100 |

LINER RECORD

| Top, ft. | Bottom, ft. | Sacks Cement |
|----------|-------------|--------------|
|----------|-------------|--------------|

PERFORATION RECORD

| Shots per Ft. | Size & Type | Depth Interval |
|---------------|-------------|----------------|
| 2 | Jet | 6054' - 6064' |

TUBING RECORD

| Size | Setting Depth | Packer set at |
|------|---------------|---------------|
|------|---------------|---------------|

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

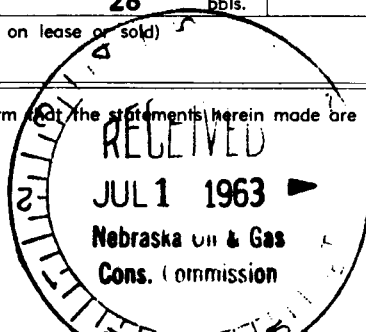
| Amount and Kind of Material Used | Depth Interval Treated |
|---|------------------------|
| Spent 500 gal N.E. mud acid on perfs. Displaced water from hole x oil. Set packer at 5926' x breakdown through tubing x 35 BO x 8.5 BPM at 3750#. Breakdown through casing x 10 BO at 2200#. Breakdown tubing x annulus x 12 BO at 19 BPM. Max 3950# on tubing x 2000# on casing. | 6054' - 6064' |
| (over) | |

INITIAL PRODUCTION

| | | | | | |
|--|----------|---|--------------------------------|---------------|--|
| Date of first production | | Producing method (flowing, pumping, gas lift, etc.) | | | |
| 6-18-63 | | Pumping | | | |
| RATE OF PRODUCTION PER 24 HOURS | Oil | Gas | Water | Gas-oil ratio | |
| | 28 bbls. | 6 MCF | 59 bbls. | Est 200 CFPB | |
| Disposition of gas (vented, used on lease or sold) | | | Oil Purchaser | | |
| Sold | | | Indiana Oil Purchasing Company | | |

I/We hereby swear or affirm that the statements herein made are complete and correct.

(If new well, complete well log on reverse side of form)



Area Superintendent

June 26, 1963

Date

WELL LOG

Show important formations penetrated, with tops. Detail all cores. Report all drill stem tests, giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, fluid recovery and flow rate if gas to surface during test. Attach copy of log.

Log tops J Sn 6054', D Sn 5912'.

DST #1 - 6041'-6121' ISI 30 mins. Tool open 1-1/2 hrs. FSI 30 min. Weak blow throughout test. No gas to surface. Rec 40' oil x gas cut mud x 85' muddy water, oil x gas cut mud x 175' muddy water. 230' of gas in drill collars. ISIP 1074#, IFP 57#, FFP 172#, FSIP 844#, IHP 3376#, FHP 3300#.

Sand oil hydrafrac. Frac x 16,000 gal frac oil x 16,000# 10-20 Sn x tailed in with 2000 gal frac oil x 500 lbs rounded walnut hulls at 17 BPM at 3250# x max 3750# on tubing x min 4250# x max 3750# on casing. Frac oil mixed x 1/20# per gal of adomite. Flushed x 132 BO x 16 BPM. Min 3700#, max 4600# on tubing x min x max of 3400# on casing.